/\*array insertion\*/

#include<stdio.h>

int main()

{

int n,i,key,location;

printf("enter the value of n\n");

scanf("%d",&n);

int a[n];

printf("enter the values of array\n");

{

for(i=0;i<n;i++)

scanf("%d",&a[i]);

}

printf("your entered array elements are\n");

for(i=0;i<n;i++)

{

printf("%d\n",a[i]);

}

printf("enter the location of new element to be inserted\n");

scanf("%d",&location);

printf("enter the value of new element to be inserted\n");

scanf("%d",&key);

n++;

i=n-1;

while(i>=location)

{

a[i]=a[i-1];

i--;

}

a[location]=key;

printf("after insertion array is\n");

for(i=0;i<n;i++)

{

printf("%d\n",a[i]);

}

return 0;

}